

CLAIM AMENDMENTS

1.-13. (canceled)

14. (currently amended) A measuring device for measuring changes in position of a body edge of a component, the measuring device comprising:

a slot extending from one side of the component, through, to the other side of the component, the slot delimited by body edges and at least one of the body edges being a measuring edge, the measuring edge changing position due to forces on the component;

a first light source facing and emanating light on to the one side of the component and the slot, a portion of the light passing through the slot and exiting the slot on the other side of the component, the portion of the light exiting the slot changing in quantity due to changes in position of the measuring edge; and

a first sensor, facing the other side of the component, receiving and detecting changes in the quantity of the portion of the light exiting the slot.

15. (canceled)

16. (previously presented) The device of claim 14, further comprising:

a reflector facing the other side of the component, and reflecting the portion of light exiting the slot, back into the slot, at least intermittently and at least partially; and

the first sensor receives the reflected portion of light.

17. (previously presented) The device of claim 16, wherein
the first light source and the first sensor facing the one side of the component.
18. (previously presented) The device of claim 14, further comprising a second sensor for receiving and detecting the light as emitted from the light source before it contacts the one side and the slot.
19. (previously presented) The device of claim 18, further comprising a control device connected to the second sensor and to the light source.
20. (previously presented) The device of claim 14 further comprising a second light source emanating a reference light directly to the first sensor, the reference light equaling an initial quantity of the portion of light exiting the slot prior to a change in the measuring edge.
21. (currently amended) The ~~measuring~~ device of claim 14, wherein
a first light guiding medium made of fiber optic cable is connected to the first light source and guiding the light from the first light source to the one side of the component and the slot.

22. (currently amended) The device of claim 14, wherein
a second light guiding medium made of fiber optic cable is connected to
the first sensor and guiding the portion of light exiting the slot to the first sensor.
23. (canceled)
24. (canceled)
25. (previously presented) The device of claim 14, wherein
the component is a rotary or a linear bearing.